

~~CONFIDENTIAL~~

Gulf #1 Navajo ■ 439
NW SW 11-7N-8W NSM Apache County

sl

COUNTY Apache AREA 45 mi NNW Ft. Defiance LEASE NO. Navajo 14-20-0603-664WELL NAME Gulf #1 NavajoLOCATION NW SW SEC 11 TWP 7N RANGE 8W NSM FOOTAGE 1920' FSL 700' FWLELEV 6698 GR 6708 KB SPUD DATE 10-26-67 STATUS TOTAL
COMP. DATE 11-10-67 DEPTH 2687CONTRACTOR Loffland Brothers

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
9 5/8	270	150 SX		<u>x</u>			<u>P&A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Organ Rock	944'	<u>x</u>	<u>x</u>	
Hermosa	1692'			
Ismay	1730'			
Desert Creek	1834'			
Akah	1900'			
Barker Creek	1975'			
Mississippian	2050'			
Devonian	2180'			
Elbert	2235'			
McCracken	2408'			
Aneth	2513'			
Cambrian	2600'			
Pre-Cambrian	2650'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
Borehole Compensated			SAMPLE DESCRP. <u>x</u>
Sonic-GR, IE, Compensated			SAMPLE NO. <u> </u>
Formation Density			CORE ANALYSIS <u> </u>
			DSTs <u> </u>
REMARKS <u> </u>			APP. TO PLUG <u>x</u>
			PLUGGING REP. <u>x</u>
			COMP. REPORT <u>x</u>

WATER WELL ACCEPTED BY BOND CO. Federal Insurance Co.BOND NO. BOND AMT. \$ 25,000CANCELLED DATE ORGANIZATION REPORT 9-1-67FILING RECEIPT 9526LOC. PLAT xWELL BOOK xPLAT BOOK xAPI NO. 02-001-20062DATE ISSUED 10-26-67DEDICATION N/2 SW/4PERMIT NUMBER 439**CONFIDENTIAL**

(over)

Release Date 5-10-68

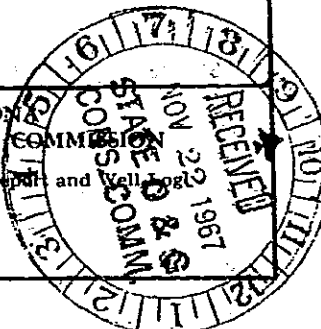
DRILL STEM TEST			
NO.	FROM	TO	RESULTS
# 1	1190	1322	Tool open 60 min. Rec 200' mud. No shows. 60 min ISIP 2.0 IFP 2.0 60 min FSIP 8.0 FFP 2.0 IHP 566 FHP 566
# 2	2520	2687	Tool open 90 min. Rec 288' mud, 420' water cut mud. No shows 60 min. ISIP 350 IFP 40 60 min. FSIP 350 FFP 377 IHP 1236 FHP 1223

[illegible][illegible]

7

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG									
DESIGNATE TYPE OF COMPLETION:									
New Well <input checked="" type="checkbox"/>	Work-Over <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Reservoir <input type="checkbox"/>	Different Reservoir <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Dry <input checked="" type="checkbox"/>	
DESCRIPTION OF WELL AND LEASE									
Operator Gulf Oil Corporation				Address P. O. Box 1938, Roswell, New Mexico 88201					
Federal, State or Indian Lease Number or name of lessor if fee lease Navajo - 11 Sec				Well Number 1		Field & Reservoir Wildcat			
Location 1920° FSL 700° FWL				County Apache					
Sec. TWP-Range or Block & Survey Section 11, T-7-N, R-8-W, N.S.M.									
Date spudded 10-26-67		Date total depth reached 11-8-67		Date completed, ready to produce Dry		Elevation (DF, RKB, RT or Gr.) 6698' GL		Elevation of casing hd. flange —	
Total depth 2687'		P.B.T.D. —		Single, dual or triple completion? single		If this is a dual or triple completion, furnish separate report for each completion.			
Producing interval (s) for this completion None				Rotary tools used (interval) 0 - 2687'		Cable tools used (interval) —			
Was this well directionally drilled? No		Was directional survey made? No		Was copy of directional survey filed? —		Date filed —			
Type of electrical or other logs run (check logs filed with the commission) ES-1-ES, BHC, Sonic-GR, Comp. Em-Density						Date filed —			
CASING RECORD									
Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)									
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled			
Surface	12-1/4"	9-5/8"	32#	270'	250 sx	—			
TUBING RECORD None									
Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)		
PERFORATION RECORD									
Number per ft.	Size & type	Depth Interval		Am't. & kind of material used			Depth Interval		
None		—		None			—		
INITIAL PRODUCTION									
Date of first production None, dry, P&A		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)							
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)			
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio			
Disposition of gas (state whether vented, used for fuel or sold):									
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Production Manager of the Gulf Oil Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <p>November 14, 1967 _____ Date Signature M. I. Taylor</p> <p>PLEASE CONSIDER THIS INFORMATION CONFIDENTIAL</p>									
Permit No. 439				<p style="text-align: center;">STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION</p> <p style="text-align: center;">Well Completion or Recompletion Report and Well Log</p> <p style="text-align: center;">Form No. 4 File One Copy</p>					

(Complete Reverse Side)



DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
<u>SECTION 37</u> ORGAN ROCK <i>gas kick</i> <i>Sdy. siltstone</i>	DST #1 1190	1322	Tool open 60 min. Recovered 200' mud. No shows. 60 min. ISIP 2.0 IFP 2.0 60 min. FSIP 8.0 FFP 2.0 IHP 566 FHP 566
ANETH & CAMBRIAN	DST #2 2520	2687	Tool open 90 min. Recovered 288' mud, 420' water cut mud. No shows. 60 min. ISIP 350 IFP 40 60 min. FSIP 350 FFP 377 IHP 1236 FHP 1223
ORGAN ROCK	944		Shale, sand & Siltstone
HERNOSA	1692		Limestone, shaley sand
ISWAY	1730		Limestone, sand and shale
DESERT CREEK	1834		Limestone, shale, sand
AKAL	1900		Limestone
BARKER CREEK	1975		Limestone, shale, sand
MISSISSIPPIAN	2050		Limestone, chert, shale
DEVONIAN (OURAY)	2180		Shale, limestone, chert
KLEBERT	2235		Dolomite, shale, limestone
LO-TRACOID McCRACKEN	2408		Sandstone, shale
ANETH	2513		Dolomite
CAMBRIAN	2600		Dolomite, sand, shale
PRE-CAMBRIAN	2650		Shale, metamorphics

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

CONFIDENTIAL

Gulf Oil Corporation Navajo #11-1
1920' FS 700' FW Sec. 11-7N-8W
Apache County, Arizona

DST #1 - 1190 - 1322', sdy silt stone, gas kick (Organ Rock). Mud
9:1-38, 16 WL, 2/32". ST, 1° @ 1250'. Circ 10½ hrs during
last 24 hours 37' off bottom w/DST Tool - out of fuel (diesel).
Failed to fill small tank out of large tank.

DST #2 - 2520 - 2687' (testing porosity no show). 5 min IF weak blow
to good blow 4 mins. 1 hr ICI 350psi. 1½ hr flow 40-377 psi,
good blow for 1 hr decrg to fair blow at end of test. 1 hr
FCI 377 psi. HP in 1236 psi; HP out 1223 psi. Recovered 288'
mud plus 420' water cut mud, no show oil or gas.

PLEASE CONSIDER THIS INFORMATION CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL- WELL <input type="checkbox"/>	GAS- WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other Stratigraphic		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other P & A
2. NAME OF OPERATOR Gulf Oil Corporation							
3. ADDRESS OF OPERATOR Post Office Box 1938, Roswell, New Mexico 88201							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1920' FSL, 700' FSL Section 11, T-7-N, R-8-W, N.S.M. At top prod. interval reported below At total depth							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 10-26-67		16. DATE T.D. REACHED 11-8-67		17. DATE COMPL. (Ready to prod.) Dry		18. ELEVATIONS (OF, RKB, RT, GR, ETC.) 6698' GL	
20. TOTAL DEPTH, MD & TVD 2687'		21. PLUG, BACK T.D., MD & TVD -		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-2687'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN I-ES, BHC, Sonic-GR, Comp. Pn Density						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
9-5/8"	32#	270'	12-1/4"	150 ex. cement to surface			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)			
30. TUBING RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)			
31. PERFORATION RECORD (Interval, size and number)							
None							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
None							
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					
Dry - P&A							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—BBL.		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—BBL.	GRAVITY API (CORR.)		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED M. E. Taylor				TITLE District Production Manager DATE 11-14-67			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. All attachments should be filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for special instructions.

Item 18: Indicate which elevations used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top (s), bottom (s) and name (s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Stake-Down": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF, COVERED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAN DEPTH	TRUE VERT. DEPTH
Organ Rock Aneth & Cambrian			DST #1 1190-1322 Tool open 60 min. Recovered 200' mud. No shows. 60 min. ISIP 2.0 IFP 2.0 60 min. FPIP 8.0 FFP 2.0 IHP 566 FFP 566	Organ Rock	944	Same
				Hermosa	1692	
				Isamay	1770	
				Desert Creek	1834	
				Alah	1900	
				Barker Creek	1975	
				Mississippian	2050	
				Devonian (Ouray)	2180	
				Elbert	2235	
				McCracken	2408	
Aneth Cambrian Pre-Cambrian			DST #2 2520-2687 Tool open 90 min. Recovered 288' mud. 420' water cut mud. No shows. 60 min. ISIP 350# IFP 40# 60 min. FPIP 350# FFP 377# IHP 1236# FFP 1223#	Aneth	2513	
				Cambrian	2600	
				Pre-Cambrian	2650	
				T.D.	2687	

571-233

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-353530

GEOLOGICAL SURVEY

SUNDY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER Stratigraphic Test

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1938, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1920' FSL 700' FWL Section 11, T-7-N, R-8-W, N.S.M.

5. ELEVATIONS (Show whether DF, ST, CR, etc.)
6693' GL

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
Navajo

8. FARM OR LEASE NAME
Navajo

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T. R., M., OR BLK. AND SURVEY OR AREA
Sec. 11, T-7-N, R-8-W, N.S.M.

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Completed drilling 8-3/4" hole at 2687' at 2:00 p.m., 11-8-67. Total Depth 2687'. Circulated. Ran logs. It is proposed to plug and abandon as follows:

Plug #1, 2687' to 2100', 100 Sacks Class A Cement.
Plug #2, 950' to 850', 40 Sacks Class A Cement.
Plug #3, 15' to surface, 10 sacks Class A Cement.

Plugs approved by John Ward, U.S.G.S., Farmington, New Mexico, 11-10-67.

PLEASE CONSIDER THIS INFORMATION CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct:

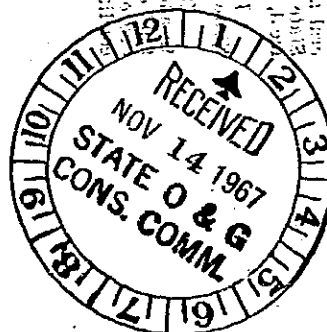
SIGNED W. D. BORLAND TITLE Area Production Manager DATE 11-13-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



439

GEOLOGICAL SURVEY		14-20-0605-564
SUNDY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)		
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Stratigraphic test	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	Navajo
2. NAME OF OPERATOR	7. UNIT AGREEMENT NAME	
Gulf Oil Corporation	8. FARM OR LEASE NAME	Navajo - 11
3. ADDRESS OF OPERATOR	9. WELL NO.	1
P. O. Box 1938, Roswell, New Mexico 83201	10. FIELD AND POOL, OR WILDCAT	Wildcat
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 11, T-7-N, R-S-W, N.S.M.
1920' FSL 700' FWL Section 11, T-7-N, R-S-W, N.S.M.	12. COUNTY OR PARISH	Apache
14. PERMIT NO.	15. ELEVATIONS (Show whether OF, ST, GS, etc.)	13. STATE
	6698' GL	Arizona

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TD 2687'. Well plugged and abandoned as follows:

Plug #1, 2687' to 2100', 100 sacks Class A cement.
 Plug #2, 950' to 850', 40 sacks Class A Cement.
 Plug #3, 15' to surface, 10 sacks Class A Cement.

Installed dry hole marker; plugged and abandoned 11-10-67.

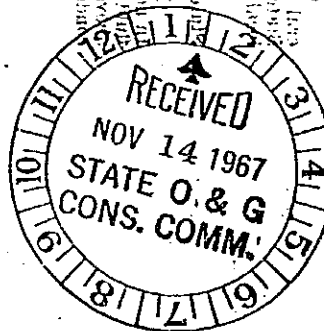
Plugging procedure approved by John Ward, U.S.G.S., Farmington, New Mexico, 11-10-67.

PLEASE CONSIDER THIS INFORMATION CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED	ORIGINAL SIGNED BY	TITLE	DATE
	C. D. BORLAND	Area Production Manager	11-13-67
(This space for Federal or State office use)			
APPROVED BY	TITLE	DATE	
CONDITIONS OF APPROVAL, IF ANY:			

*See Instructions on Reverse Side



439

GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

14-20-060-564

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo - 11

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T. R. M., OR BLK. AND SURVEY OR AREA
Sec. 11, T-7-N, R-3-W, N.S.M.

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐ Stratigraphic Test

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1938, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1920' FSL 700' FWL Section 11, T-7-N, R-3-W, N.S.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ET, CR, etc.)
6698' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Ioffland Bros. Company spudded 12-1/4" hole at 4:00 p.m., 10-26-67. Drilled to 270'. Ran 8 joints, 258', 9-5/8" H-40 casing, set at 270'. Howco cement basket at 90'. Cemented with 100 sacks Neat cement with 2% CaCl₂. Did not circulate. Cemented annulus from surface with 50 sacks Neat w/2% CaCl₂. Hole filled OK. Completed 2:30 a.m., 10-28-67. Plug pumped to 237'. FOC 25 hours. Tested rams and 9-5/8" casing with 1000 psi for 30 minutes, OK. Started drilling 8-3/4" hole at 270' at 6:15 a.m., 10-29-67.

PLEASE CONSIDER THIS INFORMATION CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED WILLIAM H. HOGAN TITLE Area Production Manager DATE 11-13-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

CONFIDENTIAL

Release Date _____

439

Gulf Oil Corporation

EXPLORATION AND PRODUCTION DEPARTMENT—U. S. OPERATIONS
ROSWELL DISTRICT

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

November 10, 1967

P. O. Drawer 1938
Roswell, New Mexico 88201

State of Arizona
Oil and Gas Conservation Commission
1624 West Adams, Room 202
Phoenix, Arizona 85007

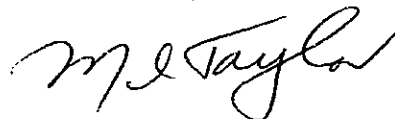
Re: Navajo-11 No. 1
Apache County, Arizona

Gentlemen:

On our Application for Permit to Drill the subject well, we stated that the elevation would be reported later.

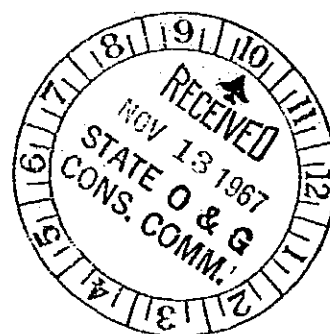
Please be advised that the ground elevation of this well is 6,698 feet.

Yours very truly,



M. I. Taylor

JEN:ers



439



11-9-67

TelCall: Red Cable, Gulf

Re: Gulf 1-11 Navajo
Permit 439

T.D. 2687. Preping to plug.

Plugging program approved by Ward, U.S.G.S.

As follows:

T.D. - 2100

925 - 850 top of Organ Rock

Water zone: 400 - 500 appears to be whole of De Chelly

350 - 250

15 - surface with marker.

Mud between.

Gave verbal approval.

Gulf #1-4 Navajo: drilling at 1550

Moving to Gulf 1-22 11-10-67.

439

9

WELL SITE CHECK

Contractor LOFFLAND Rig #19 Person(s) Contacted Jerry SAVAGE, geologist from Roswell
By [Signature]
Date 11-7-67
Spud date _____
Type Rig Wilson Moguls 421 Rotary ☒ Cable ☐
Truck-Mounted Present Operations Drilling 2530
Samples _____
Pipe 9 5/8 surface CS9 Drilling with Air ☐ Mud ☒
Water Zones _____ Size Hole 8 3/4
Lost Circ. Zones None Size Drill Pipe 4 1/2
Formation Tops _____ Type Bit Hughes X 55R
Cores, Logs, DST DST: Organ No. Bit 8 Drilling Rate _____
Rock. (See file) Formation Elbert
Crews Flying from Farmington Lithology _____

REMARKS, PHOTO, MAP

Crews 12 hrs on, 24 hrs off; non-union.

WELL NAME

Gulf #1 Dewar 11Permit No. 437Confidential: ☒ Yes ☐ No

Gulf #1-11

Telephone JACK AHLEN

DST (ORGAN Rock) 1190-1322 ; Opn Tool 5 min
pre-flow time; SI 60 min; Open 60 min: weak blow
died in 2 min; SI 60 min. Rec 200' Del Mud.

1H 566#

ISIP 2.7# / 60 min

IF 2.7#

FF 2.7#

FSIP 81# / 60 min

FHP 566#

Methane kick on gas detector. (Core Sat)

439

11

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER ☒ **Stratigraphic Test** SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
Post Office Box 1938, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1920' FSL, 700' FSL Section 11, T-7-N, R-8-W, N.S.M.
At proposed prod. zone
within 500' of surface location

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
45 miles NW of Fort Defiance, Arizona

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
640.00

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.
First Well

19. PROPOSED DEPTH
2,700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DE, RT, GR, etc.)
will report later

22. APPROX. DATE WORK WILL START*
October 25, 1967

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.30#	160'	Circulate

Program:

- (1) Drill 12-1/4" hole to 30' penetration in BeChelly formation.
- (2) Run 9-5/8" casing to bottom, circulate cement.
- (3) Ripple up and test casing and B.O.P.'s.
- (4) Drill out and drill ahead with water - 8-3/4" or 7-7/8" hole.
- (5) Mud up above Mississippian formation with gal mud.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

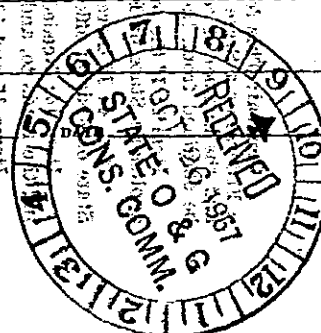
24. SIGNED _____ TITLE **District Production Manager** DATE **October 25, 1967**

(This space for Federal or State office use)

PERMIT NO. **439**

APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:



10-31-67

Mr. Allen, Gulf Oil telephoned

Re: Gulf #1 Navajo Agua Sal
Permit 437

Cored from 2261-2319. Dolomite shale. no shows.
Now drilling ahead.

Re: Gulf #1-11 Navajo
Permit 439

Spud 11-26-67.

Will DST tomorrow, 11-1-67 and will advise results asap.

Top of DST 1190 to ~~2212~~ 1322. Samples: very fine grain silt sand.
Have had a minor gas show on hydrocarbon detector; no encouragement.

Have set surface casing: ~~252~~ 9-5/8" to 267'. Drilling with mud;
therefore can't tell if any water encountered on way down. However,
having some lost circulation so will probably set more pipe.

Gulf #1 Navajo 4 and Gulf #1 Navajo 22 locations have been staked,
roads made. Rig from #1 Agua Sal will move to #1-4 Navajo and
rig from #1-11 Navajo will move to #1-22 Navajo.

He advised all Gulf operations highly confidential; at time we
talked I thought we had so classified. Now find they are not so
classified by us.

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒

RE-ENTER OLD WELL ☐

Gulf Oil Corporation
NAME OF COMPANY OR OPERATOR

Post Office Box 1938 Roswell New Mexico 88201
Address City State

Loffland Bros. Company
Drilling Contractor
1216 East Bloomfield Road, Farmington New Mexico 87401
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor 14-20-0603-664	Well number and Name Navajo-11 No. 1	Elevation (ground) 6698 Will report later
Nearest distance from proposed location to property or lease line: 700 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: First Well feet	
Number of acres in lease: 640.00	Number of wells on lease, including this well, completed in or drilling to this reservoir: One	

If lease, purchased with one or more wells drilled, from whom purchased: Name Address

Well location (give footage from section lines) 1920' FSL, 700' FWL	Section—township—range or block and survey Sec. 11, T-7-N, R-8-W, N.S.M.	Dedication (Comply with Rule 105) 80 Acres N/2 SW/4
Field and reservoir (If wildcat, so state) Wildcat	County Apache	

Distance, in miles, and direction from nearest town or post office
45 miles NNW of Fort Defiance, Arizona

Proposed depth: 2,700'	Rotary or cable tools Rotary	Approx. date work will start October 26, 1967
Bond Status Blanket	Organization Report On file X Or attached	Filing Fee of \$25.00 Attached X

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Production Manager of the Gulf Oil Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

October 24, 1967

Date

Permit Number: 439

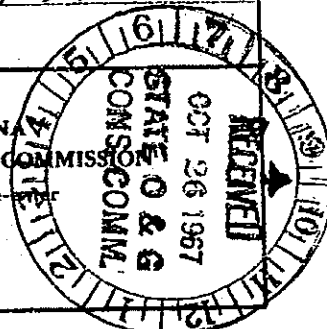
Approval Date: 10-26-67

Approved By: John Bannister

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Form No. 1



API- 02-001-20062

(Complete Reverse Side)

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description

Section 11, T-7-N, R-8-W, N.S.M.

Dedication: N/2 SW/4 for oil well. Entire Section for gas well.	
--	--

700'

X

1920'

CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name M. J. Taylor

Position District Production Manager

Company Gulf Oil Corporation

Date October 24, 1967

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

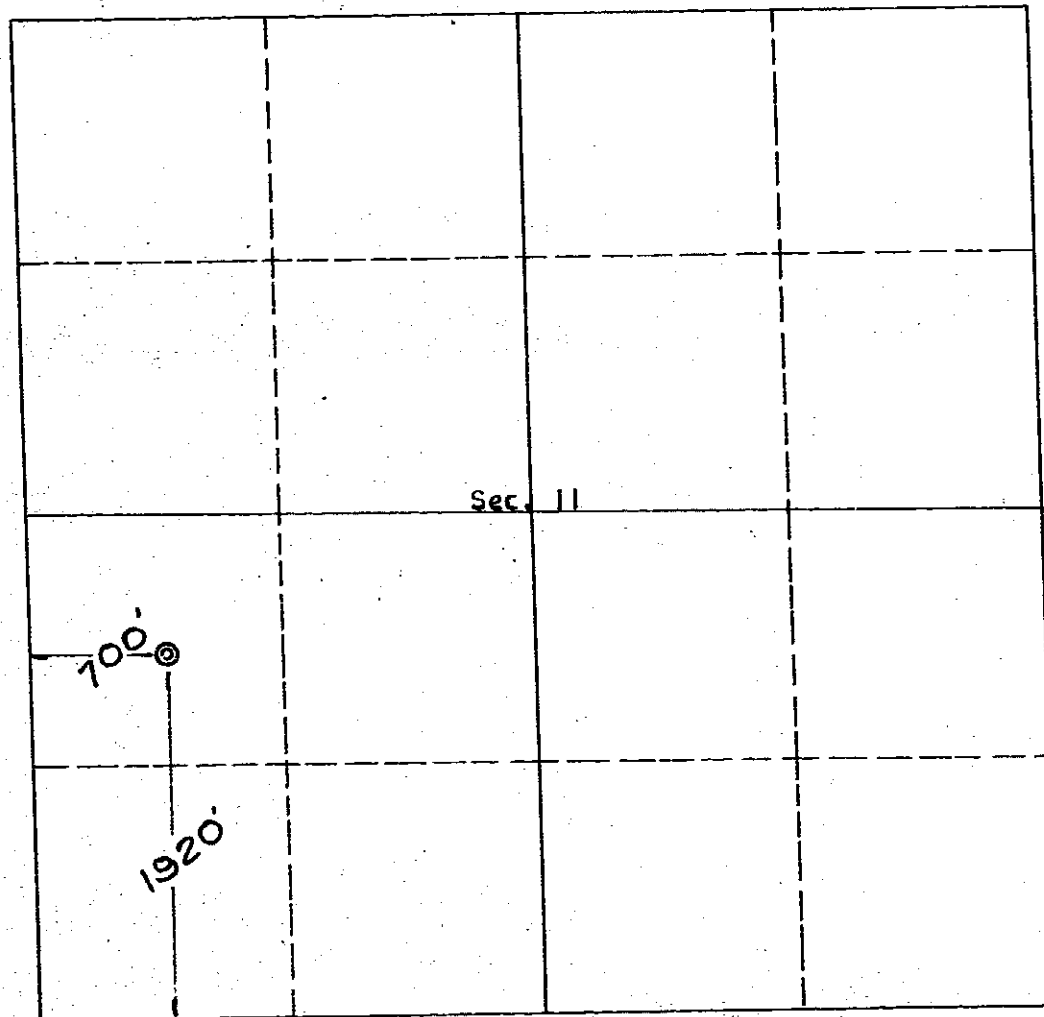
Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

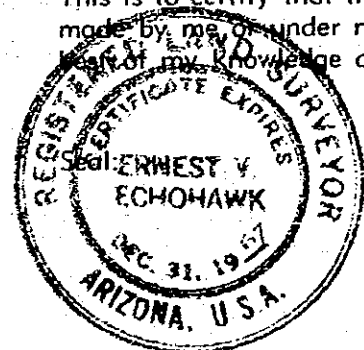
PROPOSED CASING PROGRAM						
Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9-5/8"	32.30#	J-55 ST&C	0'	160'	160'	Circulate

Company Gulf Oil Corporation
Well Name & No. Navajo 11, Gulf #1
Location 1920 feet from the South line and 700 feet from the West line.
Sec. 11, T. 7 N., R. 8 W., Navajo Special Meridian, Apache Co., Arizona.
Ground Elevation _____

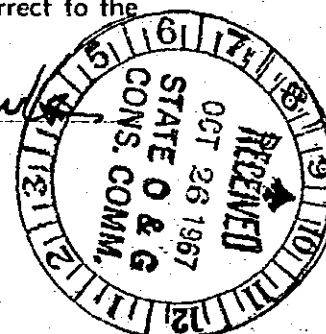


Surveyed October 4, 19 67

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



E. V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Arizona Reg. No. 2311





PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: GULF OIL CORPORATION
(OPERATOR)

to drill a well to be known as
GULF #1 NAVAJO 11

(WELL NAME)

located 1920' FSL and 700' FWL (NW SW)

Section 11 Township 7N Range 8W NSM, Apache County, Arizona.

The N/2 SW/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 26th day of October, 19 67

OIL AND GAS CONSERVATION COMMISSION

By John Kinnister
EXECUTIVE SECRETARY

PERMIT N^o 439

RECEIPT NO. 9526

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

API 02-0001-20062

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1824 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

January 11, 1968

Gulf Oil Corporation
P.O. Drawer 1938
Roswell, New Mexico 88201

Attention: Mr. M.I. Taylor, District Production Manager

Gentlemen:

As you are aware, you, as operator, must keep this Commission currently informed as to the progress of any oil or gas well operation anywhere in the State of Arizona and file such data as required or called for by the Commission. For your guidance, a copy of "Forms--when to file" was attached to your permit to drill. For your convenience, a marked copy is enclosed again.

According to our records, the data indicated below has not been submitted. You are requested to submit this data at once in order to bring this operation into compliance with our Rules and Regulations.

<u>Well</u>	<u>Progress Report</u>	<u>Completion Report</u>	<u>Logs</u>	<u>Samples</u>	<u>Other</u>
Gulf Oil:					
#1 Navajo-Defiance				X	
#1 Navajo Agua Sal			X	X	Core Analysis
#1 Navajo 4			X	X	DST report
#1 Navajo 11			X	X	
#1 Navajo 22			X	X	

Very truly yours,

John Bannister
Executive Secretary
mr
enc

43⁹

Gulf Oil Corporation

EXPLORATION AND PRODUCTION DEPARTMENT—U. S. OPERATIONS
ROSWELL DISTRICT

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

P. O. Drawer 1938
Roswell, New Mexico 88201

November 15, 1967

State of Arizona
Oil and Gas Conservation Commission
1624 West Adams
Room 202
Phoenix, Arizona 85007

Re: Well Completion Reports
Navajo-11 No. 1
Apache County, Arizona

Gentlemen:

Attached are State Form No. 4 and copies of U.S.G.S.
Form 9-330, Well Completion Reports, covering the subject well.

It is requested that the information remain confi-
dential during the entire statutory period.

Yours very truly,

M. I. Taylor
M. I. Taylor

Attachments

JEN:sz



439

